Prepare For Windows 7 with Desktop Admin Courses!

Windows 7 builds on the accomplishments of previous versions and adds enhancements to create an increasingly easy environment to manage. IT Professionals who currently support Windows XP will need detailed information about Windows 7. AgLearn has the resources to help you! And, as always, you can **add to your knowledge at no cost to you, 24/7!**

- Planning for Windows 7 Deployment (2 hours)
  Administrators can use tools provided by Microsoft to analyze their IT networks to determine the best deployment strategy. This course discuss the deployment tools and methods, Windows 7 editions and requirements, and licensing. It also demonstrates how to analyze the current client computers for hardware and compatibility issues.
- Determining Application Compatibility for Windows 7 (1.5 hours)
  One of the main issues with upgrading client machines to a new operating system is ensuring that applications will still run without issues for the users. Microsoft enables administrators to use the Application Compatibility Toolkit to collect information about the applications and then test and mitigate any issues that may have been detected. This course discusses ACT and how to use it to collect data, analyze issues, and test and mitigate them using development tools. It also discusses when to use shims for compatibility mitigation.
- Creating a Standard Image to Deploy Windows 7 (1 hour)
  Microsoft provides various solutions for deploying Windows 7 to client machines in an enterprise environment. Each solution provides advantages and disadvantages and depends on the company's requirements. One solution is Windows Automated Installation Kit for Windows 7. It contains documentation and tools – including Windows System Image Manager, ImageX, Windows Preinstallation Environment, and Deployment Image Servicing and Management – to deploy Windows 7 using images. These tools enable IT professionals to create Windows images and answer files and to apply and service the images. This course demonstrates how to create a standard image using SIM, to then apply the image to the client machines using Windows PE and ImageX, and finally to service it using DISM.
- Deploying Windows 7 Using WDS and USMT (2 hours)
  Windows Deployment Services can be used to install Windows 7 directly over the network, without using the installation media directly at each client machine. When deploying Windows 7 throughout the network, administrators need to consider how they will preserve the user files and settings on each client computer. Microsoft offers user state migration tools that enable the administrator to store the user data in a specified location until Windows 7 is deployed, when that user data can be restored. This course demonstrates how to deploy Windows 7 over the network using Windows Deployment Services. It also demonstrates how to use Windows Easy Transfer and the User State Migration Tool to migrate user state data and then restore it after Windows 7 is deployed.
- Deploying Windows 7 Using Lite-Touch Installation (1 hour)
  Recently Microsoft released the Microsoft Deployment Toolkit 2010, which provides faster deployment times using standardized desktop and server images to client machines within a network. Deployment Administrators can perform Lite-Touch Installations or Zero-Touch Installations for four deployment scenarios using MDT 2010 using deployment shares. This course demonstrates how to plan for and use LTI to deploy Windows 7 to client machines in a network. This includes creating a reference computer to capture the installation image and then deploying the image using bootable media to the target clients.
- Deploying Windows 7 Using Zero-Touch Installation (1.5 hours)
  Microsoft offers different deployment tools to deploy Windows operating systems. The most recent addition is Microsoft Deployment Toolkit 2010, which can be used in conjunction with System Center Configuration Manager 2007 to perform Zero-Touch Installations. Zero-Touch Installations enable deployment administrators to deploy Windows 7 over a network with little interaction once the task sequences are created that contain all the information required for the installation. This includes different packages that contain all the software required, including drivers, applications, user state, and operating system files. The course demonstrates performing ZTI using MDT 2010 and System Center Configuration Manager 2007 by creating the different task sequences required to deploy and capture an image on a reference computer and for deploying the captured image to target computers throughout the network.
- Designing Windows 7 Client Configuration (2.5 hours)
  Microsoft Windows 7 can be a standalone client machine or part of a domain. Either way, users and administrators should ensure that computers are secure and are configured properly to mitigate any issues. In a domain environment, client computers should have standardized settings to help reduce costs and desktop support issues. This ensures the users and computers all have the same settings, which a user may or may not be able to change, including desktop, security, and Internet Explorer. This course demonstrates how to configure Group Policy settings to apply standard configurations and security settings to computers and users throughout a domain. It also demonstrates how to configure Windows 7 security features, such as Windows Defender, Windows Firewall, BitLocker, and AppLocker to secure client computers.
- Troubleshooting Windows 7 Client Configuration (2 hours)
  Microsoft Windows 7 provides features and tools to help troubleshoot and resolve issues that may occasionally arise on the client machines. Some problems may arise for Group Policy settings, authorization and authentication, networking, and Internet Explorer. Windows 7 provides specific tools to help resolve issues with these features. This course demonstrates how to troubleshoot and resolve issues with Group Policy settings by using the Group Policy Results Wizard; authentication and authorization, such as logon issues and permissions; networking issues for wired and wireless networks and VPNs; and Internet Explorer.
- Designing Application and Update Deployments for Windows 7 (2 hours)
  Microsoft provides many technologies and tools to enable administrators to reduce time and cost associated with maintaining clients computers, specifically for making applications available to users and ensuring that client computers are automatically updated to minimize security vulnerabilities. This course demonstrates how to deploy and distribute applications to Windows 7 client machines in an Active Directory environment using Group Policy settings and System Center Configuration Manager. It discusses how administrators can make applications available to users through virtualization technologies, such as App-V, Med-V, RemoteApp, and Virtual Desktop Infrastructure (VDI). It also shows how to apply updates automatically to client machines using Windows Server Update Services (WSUS) and how to ensure client compliancy using Microsoft Baseline Security Analyzer (MBSA).

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